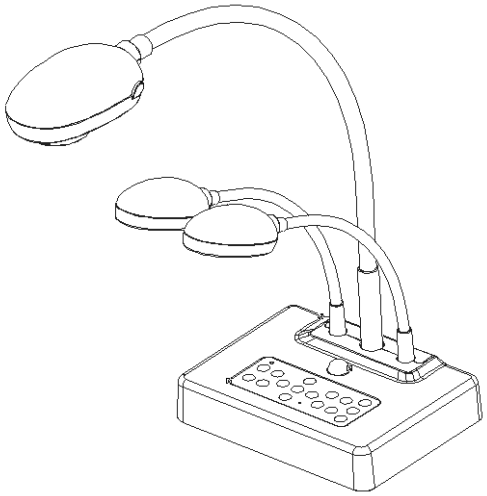
Camera 445 Visual Presenter

User Manual



[Important]

To download the latest version of Quick Start Guide, multilingual user manual, software, or driver, etc., please visit
http://www.dukcorp.com/audiovisual/products
"Downloads"

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St. Charles, IL 60174
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http://www.dukcorp.com/

090107-Rev

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Chapter 1 Precautions

Always follow these safety instructions when setting up and using the visual presenter:

1. Do not place visual presenter in tilted position.
2. Do not place the visual presenter on an unstable trolley, stand or table.
3. Do not use the visual presenter near water or source of heat.
4. Use attachments only as recommended.
5. Use the type of power source indicated on the visual presenter. If you are not sure of the type of power available, consult your dealer or local electricity company for advice
6. Place the visual presenter on a place that it can be unplugged easily.
7. Always take the following precautions when handling the plug. Failure to do so may result in sparks or fire.
   - ■ Ensure the plug is free of dust before inserting it into a socket.
   - ■ Ensure that the plug is inserted into the socket securely.
8. Do not overload wall sockets, extensions leads or multi-way plug boards as this may cause fire or electric shock.
9. Do not place the visual presenter where the cord can be stepped on as this may result in fraying or damage to the lead or the plug.
10. Unplug the projector from the wall socket before cleaning. Use a damp cloth for cleaning. Do not use liquid or aerosol cleaners.
11. Do not block the slots and openings in the projector case. They provide ventilation and prevent the visual presenter from overheating. Do not place the visual presenter on a sofa, rug or other soft surface or in a built-in installation unless proper ventilation is provided.
12. Never push objects of any kind through cabinet slots. Never allow liquid of any kind to spill into the visual presenter.
13. Except as specifically instructed in this User Manual, do not attempt to operate this product by yourself. Opening or removing covers may expose you to dangerous voltages and other hazards. Refer all servicing to licensed service personnel.
14. Unplug the visual presenter during thunderstorms or if it is not going to be used for an extended period, do not place the visual presenter or remote control on top of heat-emitting equipment or heated objects such as a car and etc.
15. Unplug the visual presenter from the wall outlet and refer serving to licensed service personnel when the following situations happen:
    - ■ If the power cable or plug becomes damaged or frayed.
    - ■ If liquid is spilled into it or the visual presenter has been exposed to rain or water.

<Note> Using an incorrect battery type in the remote control may result in breakdown. Follow your country's instructions on how to dispose of used batteries.

■ Safety Precautions

Warning: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

This visual presenter has a 3-wire AC line Plug. This is a safety feature to ensure that the plug will fit into the power outlet. Do not try to disable this safety feature.

If the visual presenter will not be used for a long period of time unplug it from the power outlet.

<table>
<tr><td colspan="4">CAUTION
RISK OF ELECTRIC SHOCK </td></tr>
<tr><td colspan="4">Caution: To reduce the risk of electric shock. Do not remove cover (or back). No user-serviceable parts inside. Refer servicing to licensed service Personnel.</td></tr>
<tr><td> </td><td>This symbol indicates that this equipment may contain dangerous voltage which could cause electric shock.</td><td> </td><td>This symbol indicates that there are important operating and maintenance instructions in this User's Manual with this unit.</td></tr>
</table>

■ FCC Warning

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE

EQUIPMENT.

Note: This equipment has been tested and found to comply with the limits for a Class A or B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Notice:

(1) A Unshielded-type power cord is required in order to meet FCC emission limits and also to prevent interference to the nearby radio and television reception. It is essential that only the supplied power cords by used.

(2) Use only shielded cables to connect I/O devices to this equipment.

(3) Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

■ EN55022 (CE Radiation) Warning

This product is intended for use in a commercial, industrial, or educational environment. It is not intended for residential use.

This is a Class A product. In a domestic environment it may cause radio interference, in which case the user may be required to take adequate measures. The typical use is in a conference room, meeting room or auditorium.

445

Base Installation Guide

Quick Start Guide

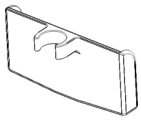
Remote control

User Manual

Remote Control Holder

Extender Adapter

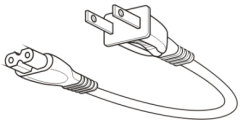
VGA Cable



USB Cable

C-Video Cable

Power Cord



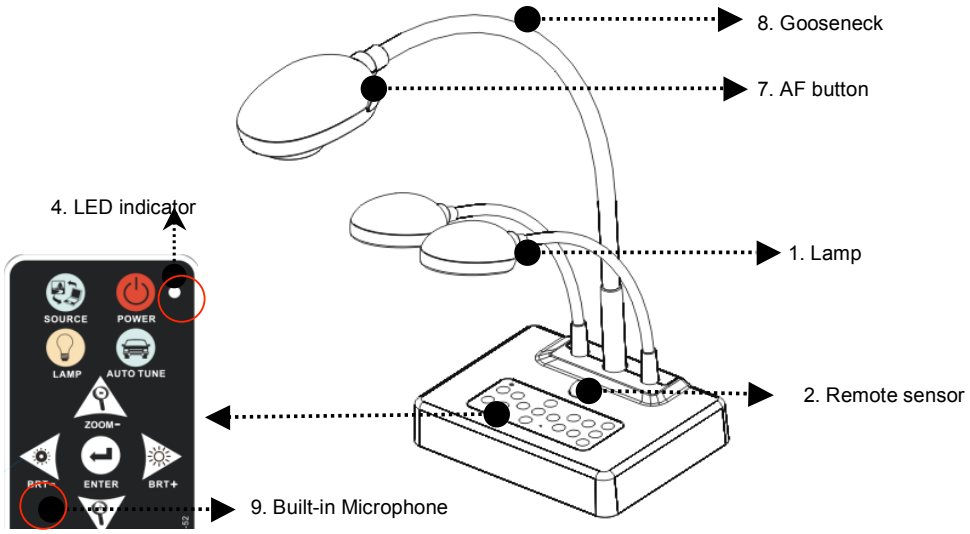
Appearance may vary with country/region.

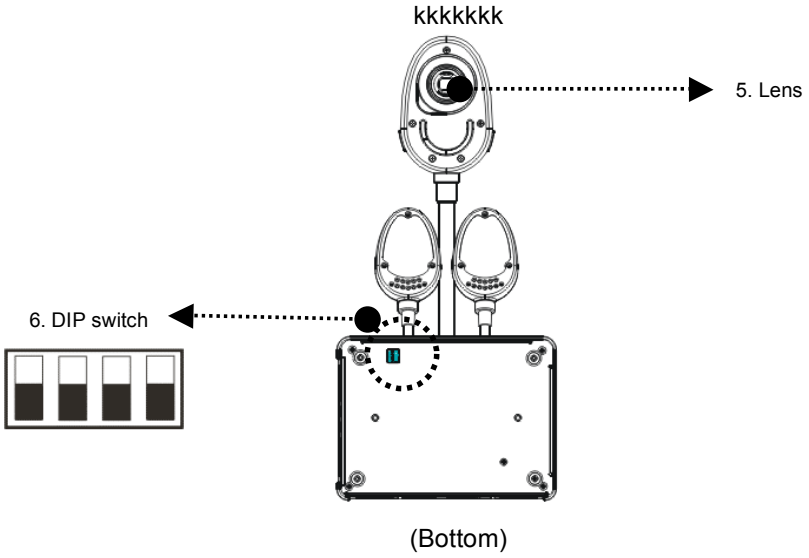
Audio cable

Microscope Adapter

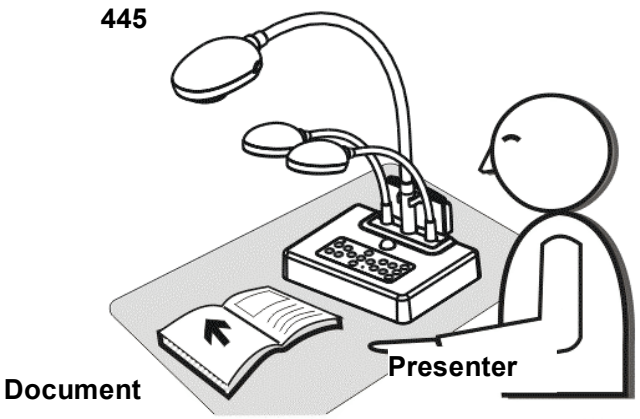
Padded Carry Bag (Optional)

Chapter 3 Product Overview



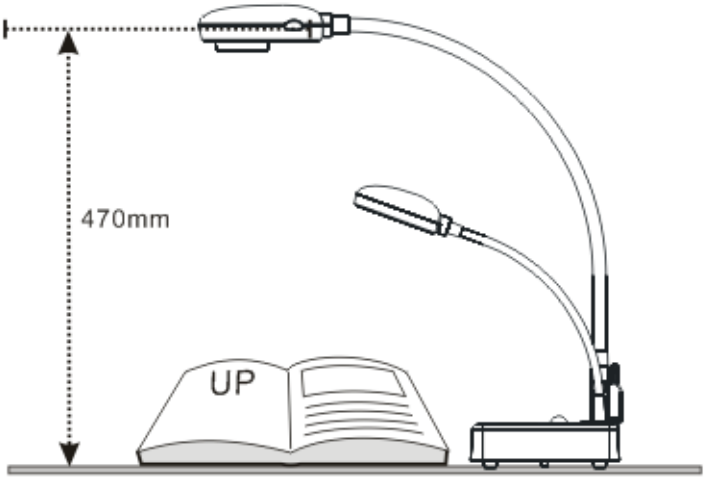


3.1 Relative position of the presenter and 445

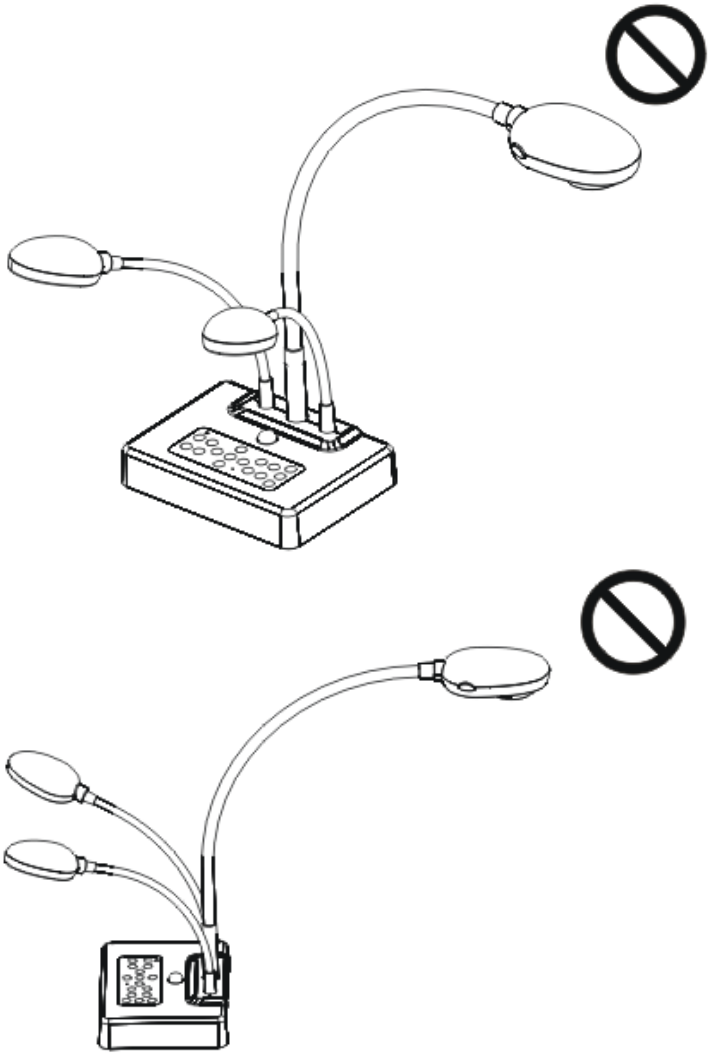


3.2 Recommend distance

* About 470 mm distance between camera and the desktop is recommended.

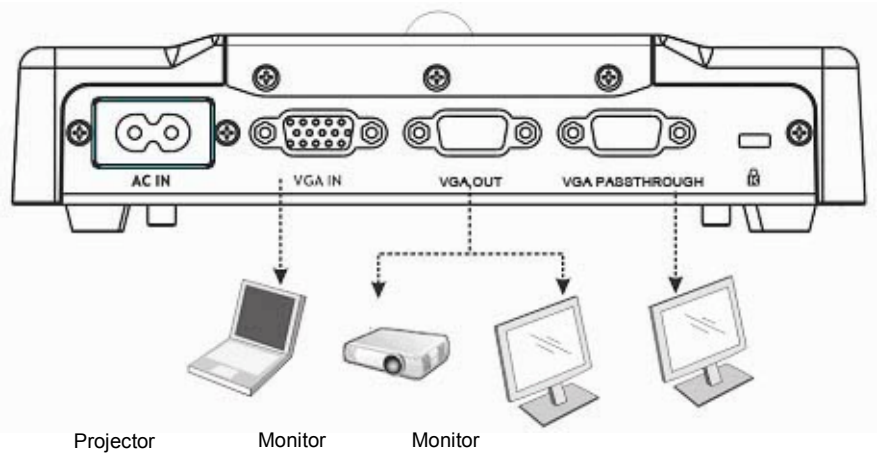


3.3 Incorrect use

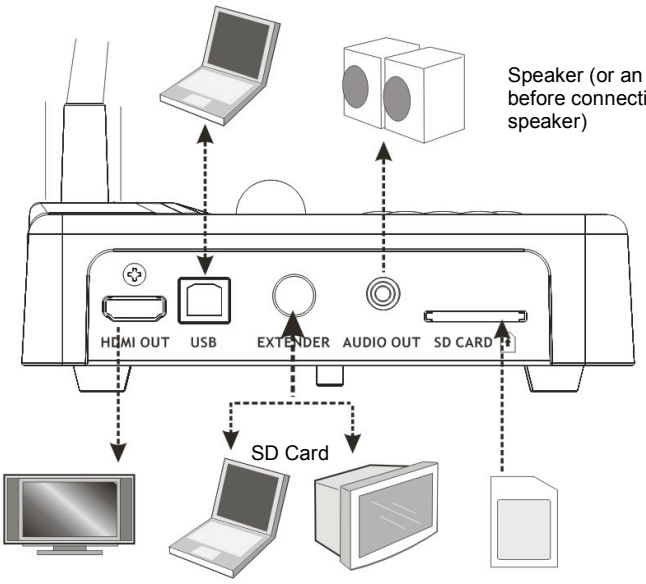


Chapter 4 Installation and Connections

4.1 System diagram



PC Projector Monitor Monitor



PC

Speaker (or an amplifier before connecting to the speaker)

LCD TV

SD Card

PC Televisio

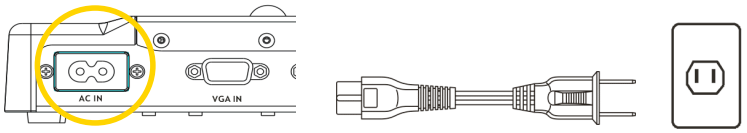
4.2 Mounting the 445 on a desktop stand

1. Please set up the DIP Switch settings first. Refer to **Chapter 5 "DIP Switch Settings"** in this 445 user manual.
2. Please refer to the **Base Installation Guide** for installation instructions for all parts.

4.3 Connecting devices

4.3.1 Step 1: Plug in the power outlet

AC Outlet

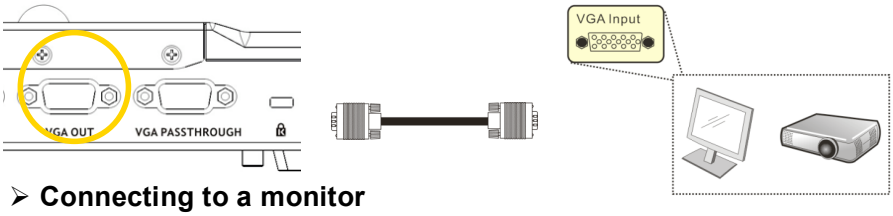


<Note> **Appearance of power cord may vary with countries/regions.**

4.3.2 Step 2: Connecting the components

➢ **Connecting to a projector**

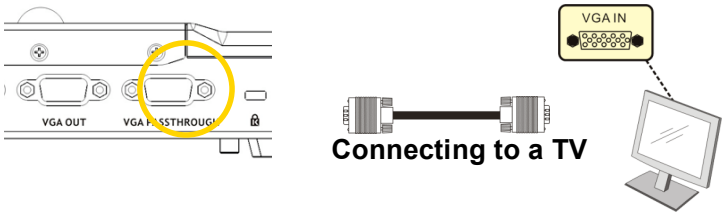
- Connect the VGA OUT on the 445 to the VGA IN on the projector using the VGA cable.



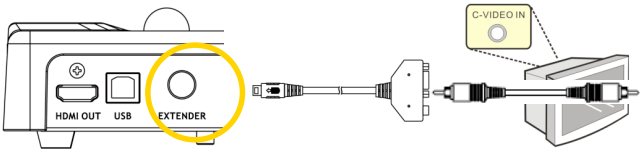
➢ **Connecting to a monitor**

- Use VGA cable to connect VGA PASSTHROUGH connector on 445 to the VGA IN connector on a monitor.

[Note] The VGA PASSTHROUGH connector only outputs VGA IN signals.

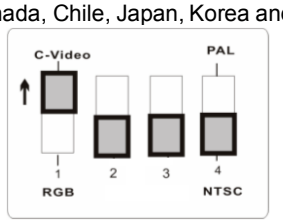


1. Using EXTENDER adapter and C-Video cable to connect EXTENDER of 445 to a C-Video of TV.

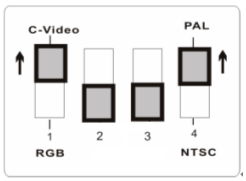


2. Adjust DIP Switch Setting

■ NTSC: America, Taiwan, Panama, Philippine, Canada, Chile, Japan, Korea and Mexico



■ PAL: Country/region not listed above:



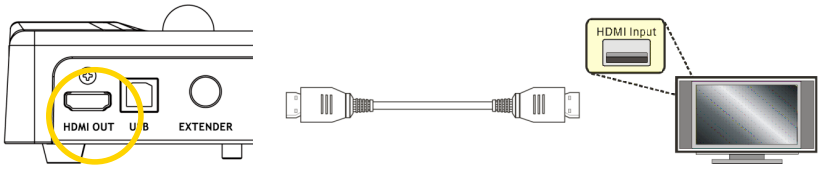
<Note> OSD is not available in C-Video. Functions such as [Menu] / [Rotate] / [PAN] / [Source] / [Record] / [Capture] / [Delete] / [PBP] / [Slide Show] are not available on control panel and the remote control.

<Note> VGA output is not supported once *C-Video* output is enabled.

3. DIP Switch setting will not be functional until restarting the 445

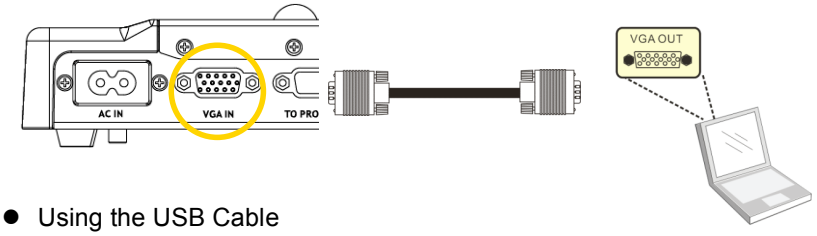
➢ **Connecting to a LCD TV/ PDP**

- Using the HDMI cable to connect a LCD TV/ PDP



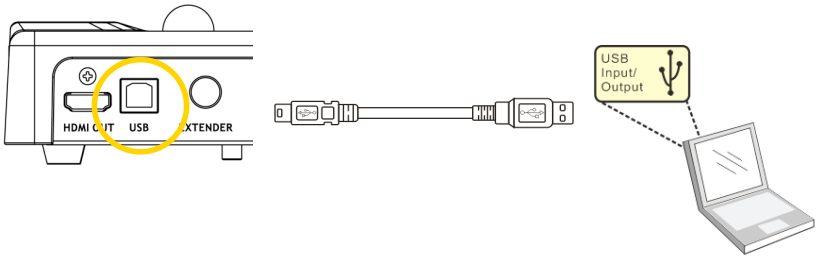
➢ **Connecting to a computer**

- Use VGA cable to connect VGA IN connector on 445 to the VGA OUT connector on the computer

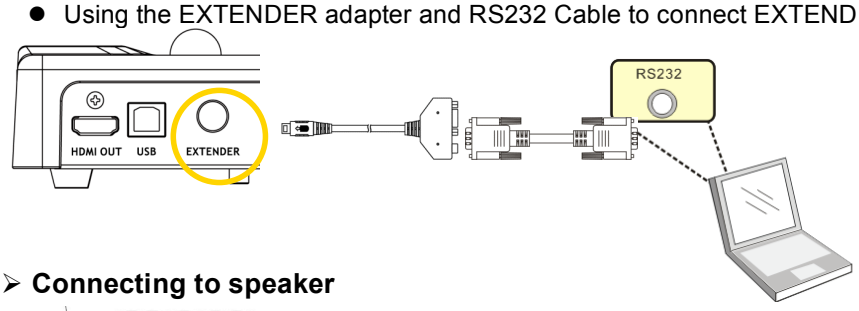


- Using the USB Cable

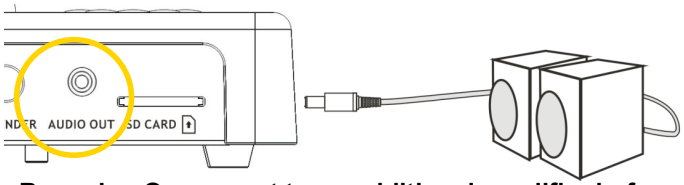
  Connect to USB port then install the supplied **queue** program.



- Using the EXTENDER adapter and RS232 Cable to connect EXTENDER of 445 to a RS232 of computer



➢ **Connecting to speaker**

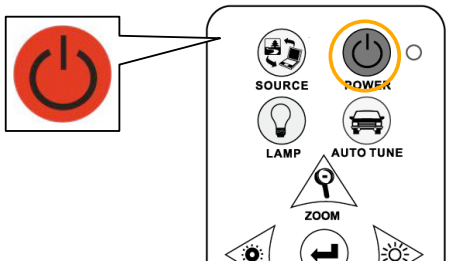


Speaker

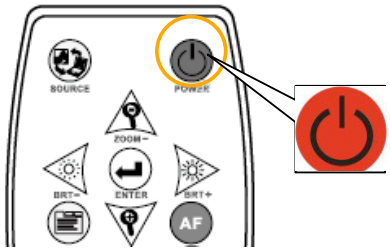
<Remark>: Or connect to an additional amplifier before connecting to the speaker.

4.4 Start using the 445

Control Panel



Remote Control

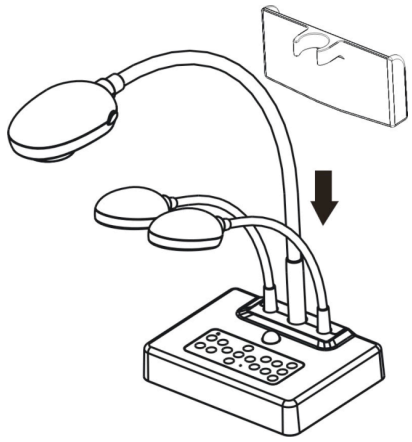


- When using the **remote control**, aim at the receptor on the DC265, and press the power button.
- Once DC265 is turned on, the LED on the **control panel** will flash a few times and stay lit. Please contact your distributor if the LED is not on.

<Note> Once the password page is shown, please key in the password.
If you forget it, please contact your distributor or the service center.

4.5 Installing remote control holder

Insert the holder over the gooseneck of the camera and push it down.



4.6 Installing driver and application queue (software)

After installing the USB driver and application queue, you can use the following functions via the software:

- Control the 445.
- Capture and record images.
- Annotate the image, highlight important details and save it.

4.6.1 System requirements

Operating System	***Windows XP***	***Windows Vista***	***MAC OS X v10.4.10, v10.5***
Minimum System Requirements	● CPU: P4 2.8 GHz and above ● Memory: 512MB ● Support Direct X 9 ● Resolution: 1024x768 ● Minimum Hard Disc Space Required: 100MB	● CPU: P4 2.8 GHz and above ● Memory: 1GB ● Support Direct X 9 ● Resolution: 1024x768 ● Minimum Hard Disc Space Required: 100MB	● CPU: PowerPC G4 866MHz or Intel Pentium® 1.83GHz Intel Core 2 Duo processor ● Memory: 512MB ● 1024x768 screen resolution and 24-bit color display ● Minimum Hard Disc Space Required: 1GB ● QuickTime 7.4.5 above

4.6.2 Installation steps

1. Go to Dukane website: www.dukcorp.com/av and select the model you have purchased

1. Download the [queue X.X.X +Driver] and its user manual.

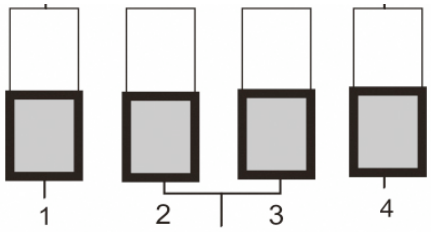
<Note> Please follow the user manual of queue™ for installation and operation.

Chapter 5 DIP Switch Settings

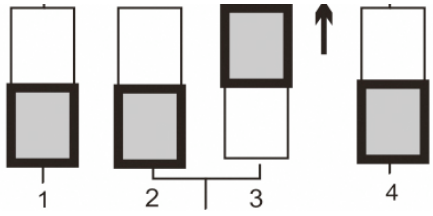
<Note> You have to turn the unit OFF and back ON for the setting to take affect.

5.1 Connecting to a projector or monitor

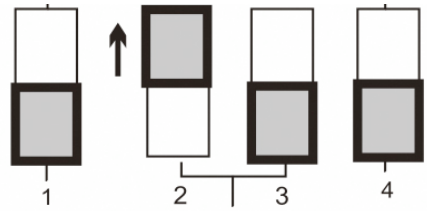
5.1.1 *SXGA 60Hz* output (default values):



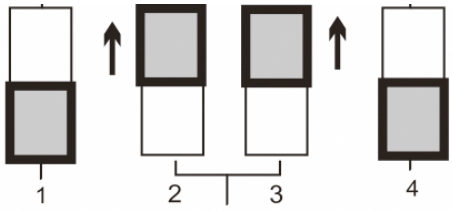
5.1.2 *XGA 60 Hz* output



5.1.3 *Special mode*

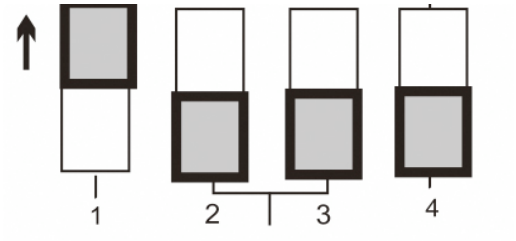


5.1.4 *HDTV 720P 60Hz* output

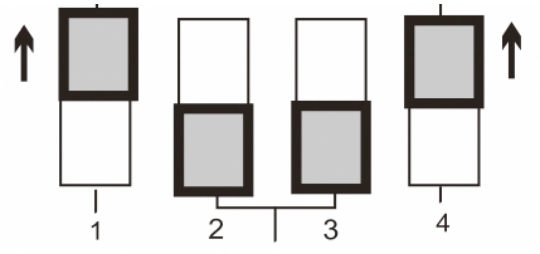


5.2 Connecting to a TV

5.2.1 NTSC: America, Taiwan, Panama, Philippines, Canada, Chile, Japan, Korea and Mexico



5.2.2 PAL: Countries/regions not listed above.



<Remark> VGA output is not supported once C-Video output has been enabled.

Chapter 6 Control Panel/Remote Control and Setting Menu

6.1 Functions of control panel and remote control

<NOTE>: OSD is not available at C-Video mode. [Menu] / [Rotate] / [PAN] / [Source] / [Record] / [Capture] / [Delete] / [PBP] / [Slide Show] functions are not available on the machine panel and the remote control.

<Remark> The below functions are listed alphabetically.

Name	Function	Operation
	Turn on and off the visual presenter.	Remote control / Control panel
◀▶▲▼	Move up, down, left or right to select the needed function.	Remote control / Control panel
AF	Automatically adjust focal length on an object.	Remote control / Camera Head
Auto Tune	Automatically adjust the image to have the best brightness and focusing performance.	Remote control / Control panel
BRT+/-	Manually adjust the brightness of the image.	Remote control
Capture	Capture the image to the SD card (priority) or internal memory.	Remote control / Control panel
Delete	Delete the image stored in the SD card (priority) or internal memory.	Remote control / Control panel
Enter	Enter/Activate functions.	Remote control / Control panel
Freeze	Freeze the current image to temporarily stay on the screen. Press again to defreeze.	Remote control / Control panel
Lamp	Turn on / off the lamp.	Remote control / Control panel
Menu	Activate the setting menu function/exit menu.	Remote control / Control panel
PAN	Switch a part of the live image	Remote control / Control panel
Record	Record motion images. Press [Record] to record images to SD card, press [Record] again to stop recording.	Remote control / Control panel
Rotate	Rotate the image by 0°/90°/180°/270°.	Remote control / Control panel
Slide Show	Show the photos or videos stored in the SD card (priority) or internal memory in slide mode.	Remote control
Source	Switch between different sources of signals: 1. Live images (default) 2. SD card (priority) or internal memory 3. Computer	Remote control / Control panel
Zoom +/-	Increase or decrease the image size.	Remote control / Control panel

6.2 Setting Menu

<Remark> Press [Menu] on the remote control or control panel to enter the setting menu; The bold underlined values in the following table are the defaults.

1st Level Major Items	2nd Level Minor Items	3rd Level Adjustment values	Descriptions
Display	**Focus**	0~Max	Use the left and right arrow keys to adjust focal length on an object
	Mode	**Normal**/Slide/ Film/Microscope	Use the left and right arrow keys to select the image mode.
	Photo/Text	**Photo**/Text/Gray	Use the left and right arrow keys to select the image mode.
	PBP	**Enter**	Press [Enter] to immediately activate photo comparison mode.
	Night Vision	On/**Off**	Use the left and right arrow keys to select. The night vision mode suits with darker environment.
	Digital Zoom	On/**Off**	Use the left and right arrow keys to turn digital zoom on/off.
Storage	**Slide Show**	**Enter**	Press [Enter] to play the photos or videos stored in the SD card (priority) or internal memory.
	Slide Show Effect	1. **Off** 2. Shutter 3. Right 4. Down 5. Side 6. Open	Use the left and right arrow keys to select the image switch mode.
	Delay	1. **1 Sec** 2. 3 Sec 3. 5 Sec 4. 10 Sec 5. Manual	Use the left and right arrow keys to select the delay time. Select manual mode to switch images manually.
	Image Quality	1. High 2. **Medium** 3. Low	Use the left and right arrow keys to select the image quality for the captured images and recorded videos.
	Copy To SD	**Enter**	Press [Enter] to immediately copy the data in visual presenter to the SD card.
	Delete All	Yes/**No**	Use the left and right arrow keys to select, and then press [Enter] to confirm the deletion of

			memory.
	Format	Yes/**No**	Use the left and right arrow keys to select, and then press [Enter] to format the data stored in the SD card (priority) or internal memory.
Setting	**Capture**	1. **Single** 2. Continuous 3. Disable	Use the left and right arrow keys to select the video capture mode. (Single/Continuous/Disable)
	Capture Time	1. **1 hr** 2. 2 hr 3. 4 hr 4. 8 hr 5. 24 hr	Use the left and right arrow keys to set the capture time. <Note> It only works when the capture mode is set to [continuous].
	Capture Interval	1. **5 sec** 2. 10 sec 3. 30 sec 4. 1 min 5. 2 min 6. 5 min	Use the left and right arrow keys to set the capture interval. <Note> It only works when the capture mode is set to [continuous].
	USB Transfer	1. **Camera** 2. Storage device	Use the left and right arrow keys to select the USB transfer mode. 1.Camera: connecting the DC265 to view live image; 2.Storage device: connecting to the SD card (priority) or internal memory.
	AE	**On**/Off	Regardless of outside environment, the machine will adjust the brightness to the optimal condition. Use the left and right arrow keys to select.
	AWB	**Enter**	Regardless of outside light or color, the machine will adjust the color to the optimal condition. Press [Enter] to activate.
	Noise Reduction	On/**Off**	Use the left and right arrow keys to turn on/off the noise reduction function.
	Volume	0~Max	Use the left and right arrow keys to adjust the volume.
Advance	**Language**	1. **English** 2. 繁体中文 3. Deutsch 4. Français 5. Español 6. Русский 7. Nederlands	English Traditional Chinese German French Spanish Russian Dutch

		8. Suomi 9. Polski 10. Italiano 11. Português 12. Svenska 13. Česky	Finnish Polish Italian Portuguese Swedish Czech Use the left and right arrow keys in the language option to select the preferred language.
	Output Mode	1. XGA 2. SXGA 3. UXGA 4. 720P 5. 1080P	Based on different DIP switch settings, different output modes are provided. Refer to **Chapter 5 DIP "Switch Settings"** in the 4 user manual.
	Lock Down	On/**Off**	Use the left and right arrow keys to turn the lock down function on and off. You can set the password when [On] is selected.
	Auto Erase	On/**Off**	Use the left and right arrow keys to turn the auto erase function on and off. When [On] is selected, the saved images will automatically be deleted when the system is turned off.
	Preset Load	Yes/**No**	Read the value of the current image mode. Use the left and right arrow keys to select, and then press [Enter] to confirm.
	Preset Save	Yes/**No**	Save the value of the current image mode. Use the left and right arrow keys to select, and then press [Enter] to confirm.
	Factory Reset	Yes/**No**	Use the left and right arrow keys to select, and then immediately press [Enter] to activate the factory reset.

Chapter 7 Descriptions of major functions

7.1 I would like to switch image sources

Live image is the default of image source. Press [Source] on the **remote control** or **control panel** to change:

1. Live images (default)
2. SD card (priority) or internal memory
3. Computer.

7.2 I would like to make text clearer and photos more colorful

Photo is the default. You can change setting via the **control panel.**

- [Photo](default): for viewing photos or text with photos and will make the photos more colorful.
- [Text]: for viewing text files and will make the text clearer.
- [Gray]: for viewing black and white photos and will make the grayscale differentiation more distinct.

Control panel:

1. Press [MENU] to enter the setting menu.
2. Press [►] or [◄] to select [Display].
3. Press [▼] to select [Photo/Text].
4. Press [►] or [◄] to select [Photo/Text/Gray] (Refer to the description above).
5. Press [MENU] to exit.

7.3 I would like to zoom in /out of images

1. Press [Zoom +] on the **remote control** or **control panel** to zoom in.
2. Press [Zoom -] on the **remote control** or **control panel** to zoom out.

7.4 I would like to use the auto focus

1. Press [AF] on the **remote control**.
2. Press the **AF button** on the camera head of main unit.

7.5 I would like to adjust the brightness

Remote control:

1. Press [BRT +] to make it brighter.
2. Press [BRT -] to make it darker.

Control panel:

1. Press [MENU] to enter the setting menu.
2. Press [►] or [◄] to select [Display].
3. Press [▼] to select [Brightness].
4. Press [►] or [◄] to adjust the value.

7.6 I would like to turn on/ off the lamp

1. The default of lamp is turn on. Press [Lamp] on the **remote control** or **control panel** to turn off**.**

7.7 I would like to automatically adjust the image to have best brightness and focusing performance

1. Press [Auto Tune] on the **remote control** or **control panel**.

7.8 I would like to capture images

7.8.1 Setting the quality of captured images

1. Press [Menu] on the **remote control** or **control panel** to enter the setting menu.
2. Press [►] or [◄] to the [Setting].
3. Press [▼] to find [Image Quality].
4. Press [►] or [◄] to select among [High/Medium/Low].
5. Press [Menu] to exit.

7.8.2 Setting continuous capture

1. Press [Menu] on the **remote control** or **control panel** to enter the setting menu
2. Press [►] or [◄] to the [Setting] menu.
3. Press [▼] to find [Capture].
4. Press [►] or [◄] to select [continuous].
5. Press [▼] to find [Capture Time]. Press [►] or [◄] to select time settings.
6. Press [▼] to find [Capture Interval]. Press [►] or [◄] to select time settings.
7. Press [Menu] to exit.

7.8.3 Capturing and saving images

1. Press [Capture] on the **remote control** or **control panel** .
   <Note> If the capture mode is set to [continuous], press [Capture] to capture images continuously, press [Capture] again to exit.

7.9 I would like to view captured images

1. Press [Source] on the **remote control** or **control panel** to display thumbnails of all captured images.
2. Press [▲] or [▼] or [►] or [◄] to select the thumbnail you want you view.
3. Press [Enter] for the full-screen display of the image.
4. Press [►] or [◄] to turn to the previous/next image.
5. Press [Source] to exit.

7.10 I would like to delete captured images

1. Press [Source] on the **remote control** or **control panel**.
2. Press [▲] or [▼] or [►] or [◄] to select the thumbnail you want you delete.
3. Pressing [Del] will open a [Delete File] window.
4. Press [►] or [◄] to select [Yes] (The default value is No).
5. Press [Enter] to delete the selected photo.
6. Press [Source] to exit.

7.11 I would like to automatically delete the captured images whenever it is turned off (Auto Erase)

1. Press [Menu] on the **remote control** or **control panel** to enter the setting menu.
2. Press [►] or [◄] to access the [Advance] menu.
3. Press [▲] or [▼] to [Auto Erase].
4. Press [►] to select [On].
5. Press [►] or [◄] to select [OK].
6. Press [Menu] to exit.
7. It will automatically delete all captured photos when it is turned off.

7.12 I would like to record videos (Record)

7.12.1 Setting the image quality

1. Press [Menu] on the **remote control** or **control panel** to enter the setting menu.
2. Press [►] or [◄] to the [Setting].
3. Press [▼] to find [Image Quality].
4. Press [►] or [◄] to select among [High/Medium/Low].
5. Press [Menu] to exit.

7.12.2 Recording motion images

1. Press [Record] on the **remote control** or **control panel** to start recording videos.
2. Press [Record] again to stop recording.
3. Record sounds with the built-in microphone of the control panel.

7.12.3 Playing videos

1. Press [Source] on the **remote control** or **control panel** to display thumbnails of all video recorded.
2. Press [▲] or [▼] or [►] or [◄] to select the thumbnail you want you view.
3. Press [Enter] for full-screen play.
4. Press [►] or [◄] to turn to the previous/next video.
5. Press [Source] to exit.

[Note] Only the MOV files recorded can be played and there is no speaker for sound. However, an additional amplifier can be connected to the AUDIO OUT port.

7.13 I would like to switch to a part of the live image (PAN)

1. Press **[PAN]** on the **remote control** or **control panel** to switch the live image to the upper-left / lower-left / upper-right / lower-right / full screen.

<Notes> This function is not available under Microscope Mode. The Zoom in / out function is not available when this function is activated.

7.14 I would like to play the slides (Slide Show)

7.14.1 Setting the slide show effect

1. Press [Menu] on the **remote control** or **control panel** to enter the setting menu.
2. Press [►] or [◄] to access the [Storage] menu.
3. Press [▼] to find the [Slide Show Effect].
4. Press [►] or [◄] to select image switch mode between [Off / Shutter / Right / Down / Side / Open].
5. Press [Menu] to exit.

7.14.2 Setting delay time

1. Press [Menu] on the **remote control** or **control panel** to enter the setting menu.
2. Press [►] or [◄] to access the [Storage] menu.
3. Press [▼] to find the [Delay].
4. Press [►] or [◄] to select image switch mode between [1 Sec / 3 Sec / 5 Sec / 10 Sec / Manual].
5. Press [Menu] to exit.

7.14.3 Activating/Stopping the slide show

<Notes>Images over 8 MB, cannot be played. Whilst playing, the [Rotate] function can be activated to rotate the images.

Remote control:

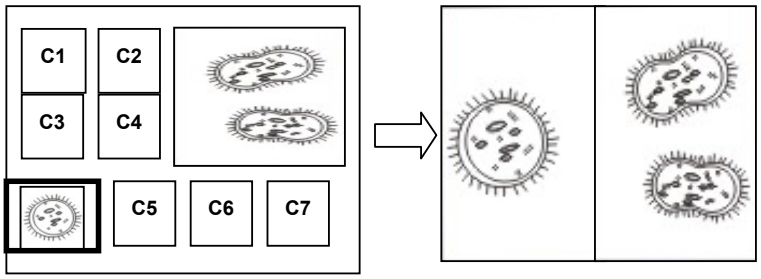
1. Press [Slide Show] to start playing.
2. Press [Slide Show] again to stop playing.

Control panel:

1. Press [Menu] to enter the setting menu.
2. Press [►] or [◄] to access the [Storage] menu.
3. Press [▼] to find [Slide Show]
4. Press [Enter] to play.
5. To stop playing, repeat steps 1 to 4.

7.15 I would like to compare images (Compare live images with captured images) (PBP, Picture by Picture)

This function will compare and contrast a live image with a captured image.



Captured Image Live Image

Remote control:

1. Press [PBP] to enter the PBP (Picture by Picture) photo selection screen.
2. Press [▲] or [▼] or [►] or [◄] to select the files to be compared.
3. Press [Enter] to activate the image comparison.
4. Press [►] or [◄] to move the images (captured images only) leftward/rightward.
5. Press [PBP] to exit.

Control panel:

1. Press [Menu] to enter the setting menu.
2. Press [►] or [◄] to access the [Display] menu.
3. Press [▼] to find [PBP]
4. Press [Enter] to enter the PBP (Picture by Picture) photo selection screen.
5. Press [▲] or [▼] or [►] or [◄] to select the files to be compared.
6. Press [Enter] to activate the image comparison.
7. Press [►] or [◄] to move the images (captured images only) leftward/rightward.
8. Press [Menu] again to return to image thumbnails.
9. Press [Source] to exit.

7.16 I would like to activate the factory default settings (Factory Reset)

1. Press[Menu]on the **remote control** or **control panel** to enter the setting menu
2. Press [►] or [◄] to access the [Advance] menu.
3. Press [▼] to select [Factory Reset].
4. Press [►] or [◄] to select [Yes].
5. Press [Enter] to activate.

7.17 I would like to reduce the image noise (Noise Reduction)

This function enables visual presenter to automatically clear image noise. The noise is especially obvious when Visual presenter is connected to a DLP projector. You can use this function to improve the image quality.

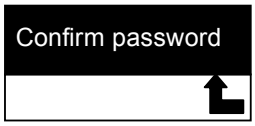
1. Press [Menu] on the **remote control** or **control panel** to enter the setting menu.
2. Press [►] or [◄] to the [Setting].
3. Press [▼] to find [Noise Reduction].
4. Press [►] or [◄] to select [On].

7.18 I would like to set / change the password (Lock Down)

7.18.1 Setting the password

1. Press [Menu] on the **control panel** to enter the setting menu.
2. Press [►] or [◄] to the [Advance] menu.
3. Press [▼] to [Lock Down].
4. Press [►] or [◄] to select [On].
5. The screen will be displayed, as shown below.

6. Key in the password
   Press the keys on the **control panel**. All keys can be used as part of the password except the [Power] and [Enter] keys. **The maximum number of characters is 2**. For example, you can press [Source] + [Menu] as the password.
   <Remark>The screen will show * while you enter the password. Ensure that you remember the order in which the keys are entered.
7. After completing the password, press [Enter].
8. The confirmation screen will be displayed, as shown below. Enter the password again.



9. After you enter the password, press [Enter].
   If the password is entered correctly, setup is completed. If the password is incorrect, an error message is displayed and please follows the screen instructions.

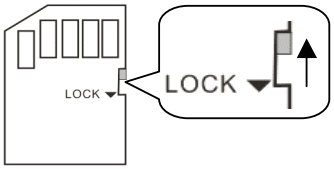
7.18.2 Changing the password

1. Press [Menu] on the **control panel** to enter the setting menu.
2. Press [►] or [◄] to the [Advance] menu.
3. Press [▼] to [Lock Down]
4. Press [►] or [◄] to select [Off] and deactivate the password setting function.
5. Press [►] or [◄] to select [On] and reactivate the password setting function. Refer to Steps 5-8 in **445 7.18 I would like to set / change the password** for operational steps.

7.19 Using a SD card

7.19.1 Deactivate the write protect function (SD Lock) on the card

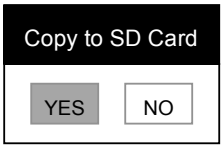
If the write protect function of the SD card is activated, you will not be able to use the **Capture** function, although you can still read the files in it. Adjust the Lock of the SD card to deactivate the write protect function.



7.19.2 Inserting a SD card

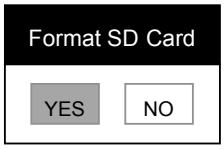
7.19.2.1 The screen will display [Copy to SD card] and ask if you would like to copy the files saved in the DC265 to a SD card.

➢ Press [►] or [◄] on the **control panel** to select.



7.19.2.2 The screen will display as follows, when you insert an unformatted SD card.

➢ Press [►] or [◄] on the **control panel** to select.



<Note> The data previously saved on the SD card will be erased when it is formatting.

7.19.3 Ejecting a SD card

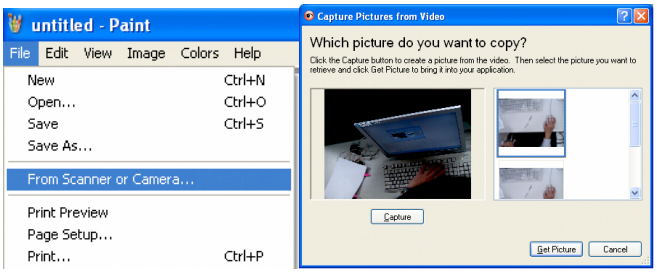
<Note> Turn the power off before ejecting the SD card to avoid damaging the SD card.

7.20 Computer-related functions

Ensure that the USB cable is connected and the drivers are installed before using the computer-related functions. Refer to [445 User Manual Chapter 4 Installation and Connections 4.3 Connecting Devices and 4.6 Installing Driver and Application queue](#).

7.20.1 I would like to insert a photo in *MS-Paint*

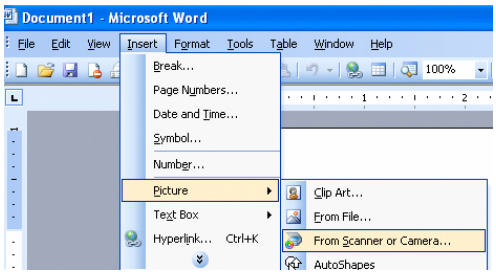
1. Click File>From Scanner or Camera in MS Paint shown as the bottom left figure.



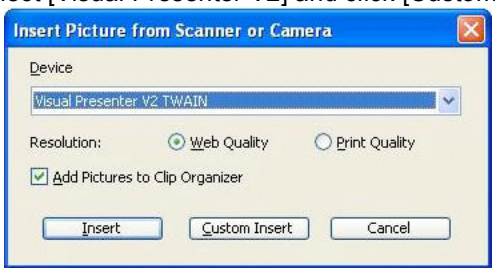
2. Click [Get Picture] will capture the photos of live images and insert the files in use shown as top right figure.

7.20.2 I would like to insert a photo in *MS-Word*

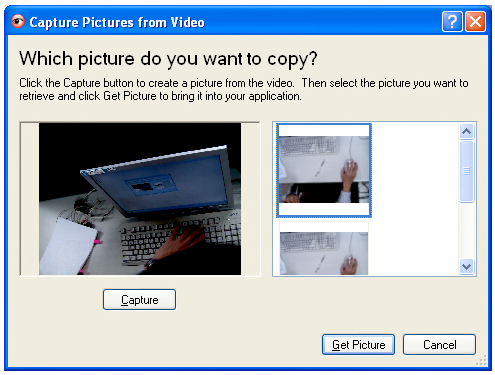
1. Click **Insert > Image > From Scanner or Camera** in **MS-Word.**



2. Select [Visual Presenter V2] and click [Custom Insert].

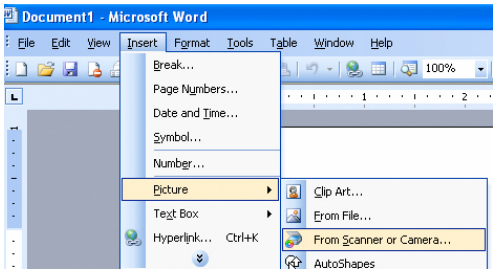


3. Click [Get Picture]. It will capture the photo of live image.

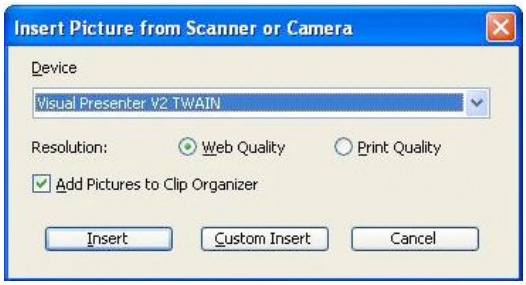

Capture Pictures from Video
Which picture do you want to copy?
Click the Capture button to create a picture from the video. Then select the picture you want to retrieve and click Get Picture to bring it into your application.
Capture
Get Picture
Cancel

7.20.3 I would like to change the setting of Camera 445 then capture a photo in *MS-Word*

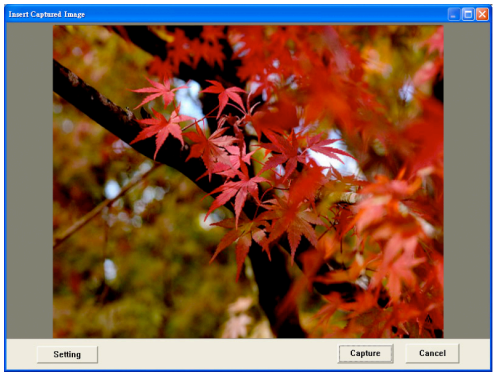
1. Click **Insert** > **Image** > **From Scanner or Camera** in ***MS-Word***.



2. Select [Visual Presenter V2 TWAIN] and click [Custom Insert].



3. A window showing a live image (see below) will be displayed.



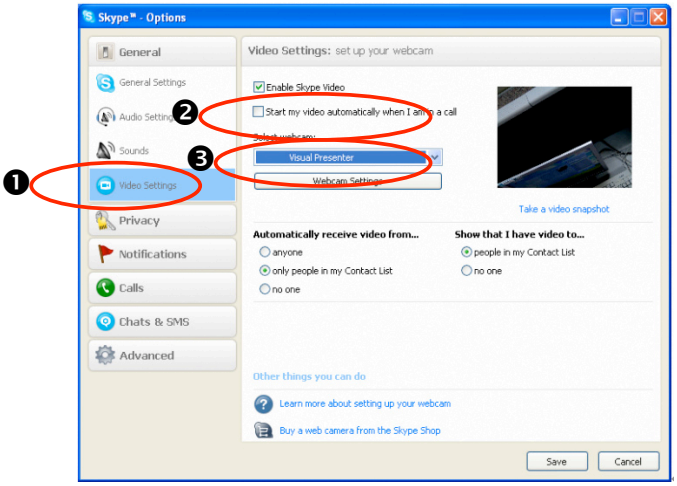
4. Press [Setting] to control the 445 via the ***Camera Settings*** interface. The operating procedure is the same with the **remote control** and **control panel** of the 445. Refer to **445 User Manual Chapter 6 Control Panel / Remote Control and Setting Menu**.

5. Press [Setting] to capture images in ***MS-Word.***
6. Press [Cancel] to exit.

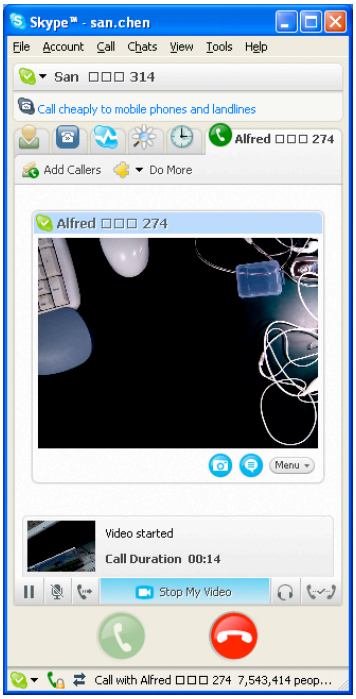
7.20.4 I would like to set the 445 as a *webcam* for *Skype*

The 445 can be used as a ***webcam*** for ***teleconferencing*** software such as ***Skype*** and ***MSN***. The following instructions use Skype as an example.

1. Open ***Skype*** and enter **Tools** > **Options…**.
2. Select [Video Settings] > [webcam] > [Visual Presenter V2] and check Start my video automatically when I am in a call, as shown below.

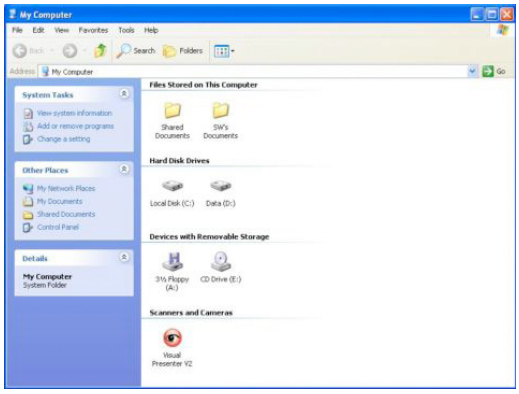


3. Start calling your contact. When both sides are connected, ***Skype*** will display the video screen.



7.20.5 I would like to set the 445 as a *PC Camera*

1. Press [Menu] on the **control panel** to enter the setting menu.
2. Press [►] or [◄] to the [Setting] menu.
3. Press [▼] to find [USB Transfer].
4. Press [►] or [◄] to select [Camera].
5. A window will be displayed, showing the [Visual Presenter V2], as shown below

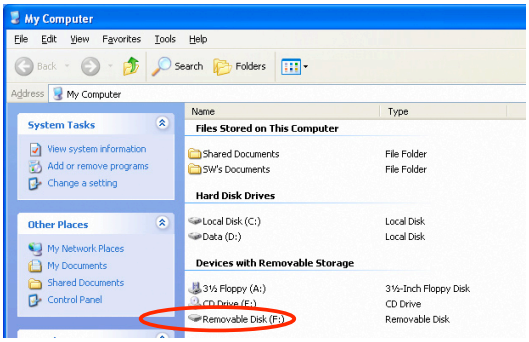


6. Click the [Visual Presenter V2].

7.20.6 I would like to set the 445 as a *Removable Disc*

1. Press [Menu] on the **control panel** to enter the setting menu.
2. Press [►] or [◄] to the [Setting] menu.
3. Press [▼] to find [USB Transfer].
4. Press [►] or [◄] to select [Storage device].
5. Press [Menu] to exit.
6. A ***Removable Disc*** will be displayed.

<Remark> The *Removable Disc* will select SD card if a SD card has been inserted, but if a SD card has not been inserted, the *Removable Disc* is internal memory.



<Note> Doing this will disable the *Capture* function. Suggest you return it to [Camera] mode after using this function. Please follow the steps below.

1. Press [Menu] on the **control panel** to enter the setting menu.
2. Press [►] or [◄] to the [Setting] menu.
3. Press [▼] to find [USB Transfer].
4. Press [►] or [◄] to select [Camera].
5. Press [Menu] to exit.

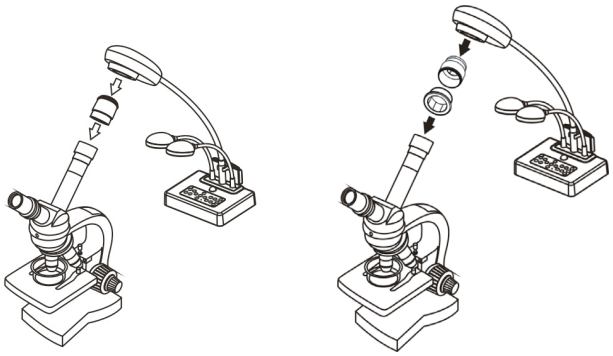
Chapter 8 Connecting to Microscope

1. Mount the **microscope adaptor** onto the microscope.

<Note> Please choose an appropriate microscope adapter. Microscope adapter accessories are applicable to eyepieces of Ø28mm, Ø31mm, Ø33mm, and Ø34mm.

2. The lens of 445 connects with the **microscope adaptor**.

If the eyepiece is Ø33mm or Ø34mm, only one Lumens microscope adapter is needed.	**If the eyepiece is Ø28mm or Ø31mm, you need two microscope adapters. (1. The original microscope adapter. 2. The microscope adapter suitable for the eyepiece size Ø28mm or Ø31mm.)**



3. Select the [Microscope] Mode
   - 3.1. Press [M Scope] on the **remote control** (suggestion).
   - 3.2. Control panel
     - 3.2.1. Press [MENU] to enter the setting menu.
     - 3.2.2. Press [►] or [◄] to select [Display].
     - 3.2.3. Press [▼] to select [Mode].
     - 3.2.4. Press [►] or [◄] to select [Microscope].
4. If the image is not clear.
   - 4.1. Please adjust the focus of microscope.

4.2. Press the **AF** button on the camera head of main unit to activate the auto focus.

5. Digital Zoom

5.1. Press [MENU] to enter the setting menu.

5.2. Press [►] or [◄] to the [Setting].

5.3. Press [▼] to select [Digital Zoom].

5.4. Press [►] or [◄] to select [On].

5.5. Press **[Zoom +]/[Zoom -]** on the **remote control** and **control panel**

<Note> In microscope mode all functions are available except for the [Zoom +] / [Zoom -] / [PAN] functions on the remote control and control panel. Please reset to normal mode after using the microscope, otherwise, you will be unable to use the zoom in/out function.

1. Press [MENU] on the **control panel** to enter the setting menu.
2. Press [►] or [◄] to select [Display].
3. Press [▼] to select [Mode].
4. Press [►] or [◄] to select [Normal].

Camera 445 Image. To get more product information visit www.dukcorp.com/av. To order more product: avsales@dukcorp.com.

Chapter 9 Troubleshooting

This chapter describes problems you may encounter while using 445. If you have questions, please refer to related chapters and follow all the suggested solutions. If the problem still occurred, please contact our distributors or service center.

No.	Issues	Solutions
1	**Boot without power**	Make sure you have plugged in the power cord.
2	**No image output from the 445**	1. Check the power. 2. Check the connection, Refer to **445 User Manual Chapter 4 Installation and Connections 4.3 Connecting Devices** 3. Check the [Source], refer to **445 User Manual Chapter 7 Descriptions of major functions 7.1 I would like to switch image sources** 4. Check the settings for the source of the ***projector.*** For the appropriate input selection of the projector, refer to the ***projectors*** user manual 5. Check if DIP Switch is properly set. Refer to **445 User Manual Chapter 5 DIP Switch Settings** for related settings.
3	**Unable to focus**	Probably the document is too close. Press [zoom -] on the **remote control or control panel**. Or increase the distance between document and lens, then press [AF].
4	**Part of the image is missing**	Check the ***Auto Image*** setting of your ***projector***. Please refer to the user manual of the ***projector.***
5	**Forget the password for turning on**	Please contact your distributor or the service center.
6	**Visual Presenter V1, queue or other application cannot be run simultaneously**	Visual Presenter V1, queue and other application software cannot be executed simultaneously. Only one application can be run at the same time. Please close the currently running applications and then execute the desired application.